

# VINYL ADDITION POLYCYCLIC OLEFIN POLYMERS PREPARED WITH NON-OLEFINIC CHAIN TRANSFER AGENTS AND USES THEREOF

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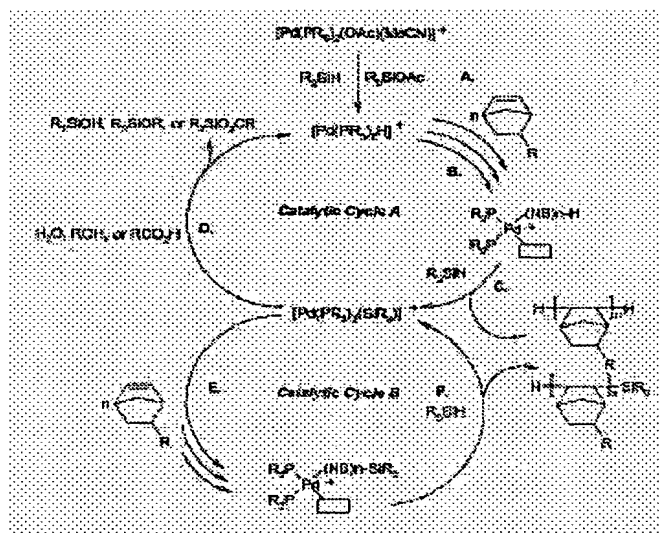
## Cited documents:

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## Abstract of WO2004076495

A method of polymerizing poly(cyclic)olefin monomers encompassing (a) combining a monomer composition containing the poly(cyclic) olefin monomers, a non-olefinic chain transfer agent and an activator compound to form a mixture; (b) heating the mixture; and (c) adding a polymerization catalyst containing Ni and/or Pd. The non-olefinic chain transfer agent includes one or more compounds selected from H<sub>2</sub>, alkylsilanes, alkylalkoxysilanes, alkylgermanes, alkylalkoxygermanes, alkylstannanes, and alkylalkoxystannanes. The activator is characterized as having an active hydrogen with a pK<sub>a</sub> of at least 5. The resulting poly(cyclic) olefin polymers can be used in photoresist compositions.



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